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[GRATIS.]

**ADMINISTRATION REPORT**

OF THE

**PUBLIC WORKS DEPARTMENT,**

**RAJPUTANA,**

**FOR THE YEAR 1918-19**



**MOUNT ABU:**

**PRINTED AT THE RAJPUTANA AGENCY PRESS.**

1919



I  
OF THE  
PUBLIC WORKS DEPARTMENT, RAJPUTANA,  
FOR THE YEAR 1918-19.

REVENUE.

The total Public Works revenue amounted to Rs. 49,863 as detailed below:—

	Rs.
XXX—Minor Works and Navigation . . . . .	24,065
XXXI—Civil Works . . . . .	22,749
XXXIV—Military Works . . . . .	3,049
Total, revenue . . . . .	49,863

Of the revenue under minor works and navigation Rs. 16,890 was realised from the levy of water-rates on account of water supplied for irrigation purposes from the Government tanks in Ajmer-Merwara, and the remainder from fines, etc. The revenue under Imperial Civil and Military Works consisted mainly of rents of buildings, and sales of buildings, tools and plant, old materials, etc.

EXPENDITURE.

2. The total expenditure (including establishment and tools and plant charges) on public works during the year amounted to Rs. ~~7,68,579~~ as noted below:—  
7,68,522

Fund head.	Expenditure in India.	Expenditure in England.	Total.
<i>Imperial.</i>	Rs.	Rs.	Rs.
33—Famine Relief Works . . . . .	1,249	...	1,249
35—Construction of Protective Irrigation Works . . . . .	4,947	...	4,947
43—Irrigation, Minor Works and Navigation . . . . .	1,04,548	...	1,04,548
45—Civil Works . . . . .	4,09,216	...	4,09,216
47—Military Works . . . . .	39,819	...	39,819
“WAR, 1914. His Majesty’s Government.”			
Expenditure on providing accommodation for—	Rs.		
(1) Indian Convalescent Section, Deesa, 1,474 . . . . .	1,31,585	...	1,31,585
(2) „ Infantry Battalion, Deesa 64,059 . . . . .			
(3) „ „ Erinpura . . . . . 38,014			
(4) „ „ Deoli . . . . . 28,038			
Total . . . . .	1,31,585		
<i>Local Funds and Contributions.</i>			
Local Funds—Civil Works . . . . .	35,314	...	35,314
Contributions { Civil „ . . . . .	38,716	...	38,716
{ Military Works . . . . .	3,128	...	3,128
<i>Tukavi Advances.</i>			
Irrigation Works . . . . .	...	...	...
GRAND TOTAL . . . . .	7,08,522	...	7,08,522

## 47.—IMPERIAL MILITARY WORKS.

## MILITARY BUILDINGS AND ROADS (ORDINARY).

3. The expenditure on Original Works and on Repairs (excluding Contributory Works) was Rs. 3,935 and Rs. 19,061 respectively.

The following original minor works, exceeding Rs. 500 each, were carried out, or were in progress, during the year:—

	Estimated cost. Rs.	Exp. actually during 1917-18. Rs.	
<i>II.—Accommodation for Indian Troops.—</i>			
(1) Providing <i>punkha</i> poles and hanging ropes, etc., for 45 beds in Erinpura Hospital . . . . .	1,053	1,016	Completed.
(2) Fixing <i>punkhas</i> in Station Hospital, Deesa . . . . .	781	650	"
<i>III.—General Contributory Works.—</i>			
(3) Constructing a miniature rifle range in the Abu Sanitarium . . . . .	1,122	1,600	"
<i>Barrack Department.—</i>			
New supply of Barrack and Hospital furniture for—			
(4) Erinpura Hospital . . . . .	2,207	1,977	In progress.
(5) Officers' Ward . . . . .	1,030	792	"
(6) Supplying furniture for the Indian Station Hospital, Deoli . . . . .	538	500	"

No major works were carried out during the year.

## MILITARY WORKS CONNECTED WITH THE WAR.

4. The following is an account of the special military works at Deesa, Erinpura and Deoli carried out by the Public Works Department, Rajputana, in connection with the war:—

(A) *Expenditure in connection with the establishment of an Indian Convalescent Section at Deesa.*—The work of putting the vacant military buildings at Deesa into a proper state of repair, for the use of the Indian Convalescent Depot established at that station, which was undertaken in January 1917, was completed during the year. The total expenditure incurred on the project was Rs. 1,13,592 as detailed below:—

	Estimated cost. Rs.	Expenditure during 1917-18. Rs.	Expenditure to end of 1918-19. Rs.
Original works . . . . .	31,260	402	29,064
Repairs . . . . .	33,513	926	35,268
Establishment and tools and plant charges . . . . .	11,558	116	13,583
	76,331	1,444	79,015
New supply of Barrack and Hospital furniture . . . . .	35,683	1,026	33,077
Total . . . . .	1,17,959	3,100	1,13,592

The expenditure on Works and Repairs (including Establishment and Tools and Plant) was debited to "His Majesty's Government," while the cost of furniture was charged to the Military Works grant for "Ordinary Demands."

The following is a list of the Works, Repairs, etc., carried out for the "Convalescent Section" at Deesa, since their inception in 1916-17 upto the end of 1918-19:—

	Estimated cost. Rs.	Expenditure to end of 1918-19. Rs.	
<i>Original works.—</i>			
1 Constructing an incinerator in European Infantry Lines . . . . .	250	185	Completed.
2 Constructing cooking shelters . . . . .	7,200	8,897	"
3 Petty works and new windows in Canteen, European Infantry Lines . . . . .	86	147	"
4 Providing five-seated movable latrines . . . . .	4,500	4,350	"
5 Additions and alterations to operating room in Station Hospital . . . . .	225	144	"
6 Providing concrete floor and opening windows in Native Infantry Lines . . . . .	8,743	7,899	"
7 Additions and alterations to Slaughter house No. 7 . . . . .	400	430	"
8 Providing fuel shed in European Infantry Lines . . . . .	480	{ 3,066 + 576 }	"

		Estimated cost.	Expenditure to end of 1918-19.	
		Rs.	Rs.	
<i>Original works.—(Contd.)</i>				
9	Providing galvanized iron tanks for holding water	2,002	1,900	Completed.
10	Making iron gratings for Sub-Assistant Surgeon's quarters	400	79	"
11	Providing new latrines	3,480	3,480	"
12	" " urinals	605	605	"
13	Unforeseen additions and alterations	1,500	2,222	"
<i>Repairs.—</i>				
14	Special repairs to Royal Artillery Lines	5,820	4,398	"
15	" " British Infantry Lines and Station Hospital	11,184	12,380	"
16	" " Indian Infantry and Cavalry Hospital	695	768	"
17	" " Supply and Transport buildings	627	1,463	"
18	" " Indian Infantry Lines	10,772	10,071	"
19	" " Cantonment roads	3,825	5,980	"
20	Unforeseen repairs	...	190	"
<i>Furniture.—</i>				
21	Filth carts	880	873	"
22	Water carts	1,800	1,199	"
23	Receptacles cook-house, urinal and filth	1,700	1,490	"
24	Set of aseptic furniture	1,200	1,176	"
25	Tables bed-side	1,400	1,400	"
26	Mosquito poles and teak battens	5,000	5,033	"
27	Charpoyas laced with moonj	16,419	16,656	"
28	" with newar for hospital	2,475	2,750	"
29	" for reserve	925	602	"
30	Sub-heads upto 500	1,650	2,707	"
31	Contingencies	1,672	...	"

(B) *Providing temporary accommodation for Indian Infantry at Deesa.*—  
In April 1918 it was decided by Army Headquarters, India, that the barracks at Deesa should be given up by the Convalescent Section and allotted to one of the prospective new battalions of Indian Infantry. Various works and repairs estimated to cost Rs. 84,694 (inclusive of establishment and tools and plant charges) were undertaken to adapt the barracks for the use of the battalion, and an expenditure of Rs. 64,059 (inclusive of departmental charges) was incurred during the year.

The following original works and repairs were carried out during the year:—

		Estimated cost.	Expenditure during 1918-19.	
		Rs.	Rs.	
<i>Indian Infantry Lines.—</i>				
1	Constructing cooking-sheds comprising 16 blocks	10,210	10,119	Completed.
2	Repairs and alterations to married quarters to accommodate single men	5,517	5,357	In progress.
3	Providing verandah on the front side of married quarters	7,214	8,224	Completed.
4	Turning tiles and special repairs of married quarters	7,216	6,263	In progress.
5	Alterations to, and turning tiles of, Armourer's shop and Staff Sergeant's quarters	790	655	"
6	Providing arm-racks for 3rd Gaur Brahmans	1,072	1,001	Completed.
<i>Royal Artillery and British Infantry Lines.—</i>				
7	Special repairs, turning tiles and retiling Station Hospital, and European Infantry and Royal Artillery Lines	20,788	17,120	In progress.
8	Making arm-racks for 450 rifles for the 120th Infantry	394	...	"
9	Petty works required in subsidiary buildings	141	89	"
10	Providing a pump for drawing water from wells	4,150	Executed in 1919-20	"
11	Repairing damages caused by heavy rainfall to <i>katcha</i> barracks in Native Infantry Lines	4,157	3,847	In progress.
12	Making kit-racks for married blocks of Indian Infantry Lines	846	508	"
13	Conversion of existing 'A' rifle range into gallery pattern range and repairs, etc.	3,824	3,854	Completed.
14	Minor works in British Infantry Lines	982	874	"

The whole expenditure was debited to "His Majesty's Government."



(C) *Expansion of the Indian Infantry Lines at Erinpura.*—In August 1918 instructions were received through the Commanding Royal Engineer, V (Mhow) Division, to arrange for the accommodation of 370 additional men (including followers, etc.) in the Indian Infantry Lines at Erinpura. The works were taken in hand forthwith, but on the cessation of hostilities in November 1918, orders were received to stop work on all buildings not above plinth level, and also on all buildings of which the cost of completion would exceed the cost of abandonment having regard to the compensation that may have to be paid to contractors.

The estimated cost of the works completed, and those which have since been ordered to be completed amounts to Rs. 50,814 (inclusive of establishment and tools and plant charges), and the expenditure incurred thereon to end of 1918-19 is Rs. 35,014 including the departmental charges.

Following is a list of the works executed upto 31st March 1919 :—

	Estimated cost.	Expenditure during 1918-19.	
	Rs.	Rs.	
1 Five barracks for 50 single men, each	20,416		} 35,014.* In progress.
2 Providing double tiles on roofs of 5 barracks for 50 single men each	4,000		
3 Constructing 3 cook-houses	2,059		
4 " 11 bathing cubicles for 375 men	430		
5 Special repairs to floor and external lime plaster in barracks	3,000		} (Details of expenditure on each sub-work are not available.
6 Constructing ration stores for 250 men	2,000		
7 " rifle ranges	4,000		

The cost of the above works is also debitable to "His Majesty's Government."

(D) *Expansion of the Indian Infantry Lines at Deoli.*—In September 1918 the Quarter-Master-General in India asked the Public Works Department to arrange for the provision of temporary additional accommodation for 1,600 men in the Indian Infantry Lines at Deoli Cantonment.

The estimated cost of the works amounted to Rs. 1,82,751; tenders were invited and orders issued to contractors to collect materials and make necessary arrangements to start the works as quickly as possible as desired by the Military authorities. However, upon the announcement of the armistice in November 1918, orders were received to stop the works at Deoli, which by then had not progressed beyond collection of materials and excavation of foundations. The total estimated cost of the actual work done, including materials collected and compensation payable to contractors, amounts to Rs. 32,367 (exclusive of establishment and tools and plant charges), while the actual expenditure incurred on the project to end of 1918-19 is Rs. 25,038 (including departmental charges). Some of the materials collected have since been transferred to the Military Works Services, and other articles disposed of by public auction. The accounts for the work will be closed during 1919-20, and the expenditure is debitable to "His Majesty's Government."

#### 45—IMPERIAL CIVIL WORKS.

##### CIVIL BUILDINGS.

5. The expenditure on Original Works and on Repairs, Civil Buildings, was Rs. 1,13,981 and Rs. 41,772 respectively.

The following Original Works, exceeding Rs. 500 each, were carried out, or were in progress, during the year :—

	Estimated cost.	Expenditure during 1918-19.	
	Rs.	Rs.	
<i>Posts and Telegraphs.</i> —			
1 Making new foundations for the engines to be erected in the Telegraph Office, Ajmer	512	81†	Completed.
2 Extension of the Engine and Battery room at the new Telegraph Office, Ajmer	1,616	290†	"
3 Providing wire-gauze to all outer doors, windows and ventilators, and iron sun-shades to windows and dormer windows in the Postmaster's quarters, Abu Post Office	718	92†	"

\*Including establishment and tools and plant charges. †Unfinished work of previous year.

Estimated  
cost.  
Rs.

Expenditure  
during 1918-19.  
Rs.

*Administration—*

4 Alterations to the new Treasury English Office, Ajmer	961	505*	Completed.
5 Constructing a kitchen for the A.G.-G.'s Confidential Clerk's quarters at Ajmer	847	741	"
6 Additions and alterations to the Old Agency Hospital, Mount Abu (used as residential quarters)	633	621	"
7 Constructing a cook-house, store and latrine for the Agency Office Superintendent's quarters at Mount Abu	1,504	942*	"
8 Adding a bath and dressing room to Assistant's quarters, No. 2, "Hillside," Mount Abu	1,185	1,187	"
9 Providing accommodation for Tehsil, Forest and Police Staff, etc., at Mount Abu	59,047	30,793†	In progress.
10 Providing record racks and renewing windows in the Library attached to the Agency Office, Mt. Abu	1,087	51,090‡ 1,138	Completed.
11 Improving three fireplaces and chimneys in Assistant's quarters, No. 1, "The Dell," Mt. Abu	725	50*	"
12 Providing a cart and machine shed at the Abu Residency	646	627	"
13 Providing turf tennis court in the compound of the Abu Residency	537	548	"

*Educational.—*

14 Constructing new Government High School at Ajmer (including cost of land Rs 81,860 to end of 1918-19).	4,83,73‡	1,14,832† 1,50,269‡	In progress.
15 Constructing a Boarding House for 20 students attached to the Normal School, Ajmer	11,615	7,605† 12,351‡	"
16 Constructing two additional class rooms in the Normal School, Ajmer	9,676	4,673† 10,115‡	"
17 Adding a class room to the Secondary Vernacular Schools at Saradhna, Pisangan and Masuda	5,154	1,611*	Completed.
18 Providing <i>Sadal</i> wood beams for rails under the roofing slabs of existing blocks of Normal School Boarding House, Ajmer	912	871	"
19 Improvements to Superintendent's quarters attached to the Government College Boarding House, Ajmer	757	800	"
20 Constructing a kitchen for the Secondary Vernacular School at Sawar	1,745	1,631	"
21 Extensions of the Normal and Model School buildings, Ajmer	1,01,718	2,547	In progress.
22 Constructing a Boarding House, Superintendent's quarters, kitchen and four-seated latrine for the Secondary Vernacular School at Bhim	10,761	9,345	In progress.
23 Providing wire-gauze shutters, oven and culverts at the Abu High School	695	698	Completed.
24 Dismantling old latrine and urinals and reerecting the same at the back of Abu High School	549	423*	"

*Jails.—*

25 Constructing a cattle-shed at the Central Jail, Ajmer	994	1,027	"
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*Police.—*

26 Providing wire-gauze doors and wall-almirah to the Police Office, Ajmer	551	4† 578‡	"
27 Laying another layer of country tiles to Single Constables' Barrack roof in Police Lines, Ajmer	1,600	1,680	"
28 Constructing a Regimental and Political Office at Kotra	4,222	382† 4,270‡	"
29 Providing wire-gauze doors and windows, and shelves, etc., in the Police Hospital, Ajmer	890	617	"
30 Constructing an additional Married Head Constable's quarters at Mount Abu	1,715	1,764	"
31 Constructing a cattle-pound at Mount Abu	1,433	1,432	"

\*Unfinished work of previous year. †During 1918-19. ‡To end of 1918-19.

	Estimated cost. Rs.	Expenditure during 1918-19. Rs.	
<i>Miscellaneous.</i> —			
32 Survey of sites for buildings at Mount Abu during 1918-19	653	671	Completed.
33 Providing fireplace, cement-plaster floor, and pipes for P. W. D. Superintendent's quarters, Abu	618	141*	"
34 Constructing a cook-house, latrine and court-yard in P. W. D. Establishment quarter, No. 1, Mount Abu	635	621	"
35 Constructing a stable and grass-field for the Sub-Overseer's quarters, Mount Abu	622	627	"
36 Additions and alterations to the Executive Engineer's residence, "Springfield," Mount Abu	643	609	"
<i>Miscellaneous Public Improvements.</i> —			
37 Erecting boundary pillars on Abu Deemed Area limits.	1,379	1,196	"

#### COMMUNICATIONS—INTERNAL, CIVIL.

6. The expenditure on Original Works and Repairs, Communications, was Rs. 23,027 and Rs. 1,45,083 respectively.

The Original Works carried out or in progress during the year are noted below:—

	Estimated cost. Rs.	Expenditure during 1918-19. Rs.	
1 Providing wing walls to bridges and culverts on Nasirabad-Mangliawar Road.	1,325	3,078*	Completed.
2 Improving drainage of Ajmer-Bewar Road, mile 0 furlong 1, opposite Ajmer Railway Station	2,793	2,091	In progress.
3 Constructing an arched bridge at Chhipaberi in mile 10, furlong 3, Abu Cart Road.	7,619	7,615	Completed.
4 Constructing a causeway across the Jawai river at Eriupura	7,305	5,551*	"
5 Making a new diversion and rebuilding culverts at Chhipaberi, mile 10, furlong 3, Abu Cart Road	4,151	890† 4,298‡	"
6 Reflooring the cliff gallery in mile 3, furlong 4, feet 554, of Abu Cart Road	2,033	40*	"
7 Supplying new furniture, etc., for the Inspection Bungalow at Eriupura	1,659	428	In progress.

#### 43—MINOR WORKS AND NAVIGATION.

7. The expenditure under this head for Works and Repairs, including Establishment and Tools and Plant, was Rs. 1,01,548, which was incurred on the maintenance and repairs of Government tanks in Ajmer-Merwara:—

The following Original Works, exceeding Rs. 500 each, were carried out, or were in progress, during the year:—

	Estimated cost. Rs.	Expenditure during 1918-19. Rs.	
<i>Capital works—Head works.</i> —			
1 Restoring the Makrera Tank in Bewar Sub-Collectorate	34,236	9,082	In progress.
<i>Revenue works.—Extensions and Improvements.—Tanks and Reservoirs.</i> —			
2 Strengthening the dam of Dabreli Tank No. 29-214, Ajmer Sub-Collectorate	8,863	4,170	"
3 Improving duct No. 1 of Dabreli Tank No. 29-214, Ajmer Sub-Collectorate	1,409	1,213*	Completed.
4 Improving ducts of Rajosi Tank No. 87, Ajmer Sub-Collectorate	619	362† 627‡	"
5 Providing a weir to Lachmipura Tank No. 63-606, Ajmer Sub-Collectorate	817	678	In progress.
6 Strengthening Bahwanta Tank No. 11-652, Ajmer Sub-Collectorate	500	490	Completed.
7 Rebuilding portions of ducts Nos. 1 and 2 of Ramsar Tank No. 89-29, Ajmer Sub-Collectorate	2,318	1,526	In progress.
8 Rebuilding sluice No. 1 of Kharchia Tank No. 18-733 at Bhimpura	809	853	Completed.
9 Rebuilding sluice No. 1 of Lakholao Tank No. 39-668, Ajmer Sub-Collectorate	1,461	1,131	"

\* Unfinished work of previous year.

† During 1918-19.

‡ To end of 1918-19.

	Estimated cost.	Expenditure during 1918-19.	
	Rs.	Rs.	
<i>Revenue works.—(Contd.)</i>			
10 Providing dry stone pitching to Padahagar Tank No. 48-45 at Khera Kalan in Todgarh Sub-Collectorate	1,455	1,319	Completed.
11 Raising Bara Tank No. 13-12 at Banjari in Todgarh Sub-Collectorate	1,213	1,265	"
12 Providing dry stone pitching to Ratabhata Tank No. 64-251, at Nolia Lalpura in Todgarh Sub-Collectorate	899	523	In progress.
<i>Buildings.—</i>			
13 New supply of furniture and crockery for Inspection bungalows and huts in Beawar Sub-Division	865	818	Completed.

### CONSTRUCTION OF PROTECTIVE IRRIGATION WORKS.

8. The expenditure under this head was Rs. 4,947 on the works noted below:—

	Estimated cost.	Expenditure during 1918-19.	
	Rs.	Rs.	
<i>Preliminary expenses.—</i>			
1 Taking river discharge observations in Ajmer-Merwara during the monsoon of 1918	898	4,947	
2 Survey of famine relief projects in Merwara District during 1918-19	2,572		
3 Survey of famine relief projects in Ajmer District during 1918-19	3,030		

### 33.—FAMINE RELIEF WORKS.

9. A sum of Rs. 1,249 was spent under this head during 1918-19 on the following work:—

	Estimated cost.	
	Rs.	
Repairing the front slope of Rupnagar Tank No. 49-46 at Khera Kalan in Todgarh Sub-Collectorate	3,857	

### LOCAL FUNDS AND CONTRIBUTIONS.

#### CIVIL WORKS.

10. The expenditure on Local Funds and Contributional Works, Civil (including establishment and tools and plant charges), was Rs. 35,314 and Rs. 38,716 respectively:—

The following Original Works, exceeding Rs. 500 each, were carried out, or were in progress, during the year:—

#### ORIGINAL WORKS.

##### EXCLUDED LOCAL FUNDS.

	Estimated cost.	Expenditure during 1918-19.	
	Rs.	Rs.	
1 Petty works required in the Victoria Hospital, Ajmer.	534	504	Completed.
2 Improvements to District Fund Roads in the Nusirabad Sub-Division	8,443	256	In progress.

##### CONTRIBUTIONAL WORKS.

3 Connecting Foyasagar pump with the Bhaonta main	4,601	313*	Completed.
		4,582†	
4 Providing an additional room for the Primary School at Sawar	3,579	3,287	In progress.
5 Constructing a new room for the Vernacular School at Baghera	2,011	31	"
6 Constructing Nurses' quarters and wash-room attached to the Female Mission Hospital, Ajmer	7,317	2,880	"
7 Constructing a new School House at Kotra	5,985	5,128*	Completed.
		5,977†	

\*During 1918-19.

†To end of 1918-19.

**REPAIRS.**

The following expenditure was incurred during 1918-19 :—

	Actual Expenditure, 1918-19. Rs.	Estimated Expenditure, 1917-18. Rs.
Civil buildings	101	1,641
Communications	27,888	5,479
Miscellaneous Public Improvements (water-supply)	...	13,338
<b>Total</b>	<b>28,259</b>	<b>20,458</b>

**CONTRIBUTIONAL WORKS.****MILITARY.**

11. The following military contributitional works were also carried out during the year :—

	Estimated 1918-19. Rs.	Actual Expenditure, 1918-19. Rs.	
1 Extending the existing kitchen and converting tailor's house into a new kitchen at the Abu Lawrence School	1,531	1,187	Completed.
2 Extension of playground of the Abu Lawrence School	1,119	539	In progress.
3 Constructing four sweepers' quarters in the Abu Lawrence School	1,115	1,111	Completed.

**ESTABLISHMENT.**

12. The Establishment charges for the year 1918-19 amounted to Rs. 1,36,318 as detailed below, or 22.30 per cent. upon the outlay on Works and Repairs (excluding outlay on which Establishment charges were specially exempted or were not leviable under the Rules), as against 20.78 per cent. in the previous year :—

Fund and Major head.	Outlay on Works and repairs on which percentage is charged.	Charges for Establishment.	Percentage for Establishment upon the outlay on Works and Repairs.	
			1918-19.	1917-18.
<b>IMPERIAL.</b>	<b>Rs.</b>	<b>Rs.</b>		
43—Minor Works and Navigation	69,789	29,603	42.42	28.19
35—Protective Irrigation Works	1,234	454	36.79	...
47—Military Works (Ordinary)	22,999	5,217	22.68	28.18
Barrack Department (Military)	9,591	959	10.00	...
"War Controller," (His Majesty's Government)	1,18,546*	11,262	9.50	...
45—Civil Works	3,25,144	74,280	22.83	31.11
Civil Department, (on account of Residency furniture, Ajmer and Abu Residencies)	9,636	2,168	22.50	...
Miscellaneous Advances (adjustments)	...	137	...	...
18—General Administration (credit on account of 35—P. I. Works)	...	—12	...	...
<b>LOCAL FUNDS AND CONTRIBUTIONS.</b>				
Excluded Local Funds—Civil Works	28,358	6,386	22.50	21.50
Contribution Works.—Civil	25,985	5,914	22.76	21.50
Contribution Works.—Military	...	...	...	...
<b>TAKARI ADVANCES</b>				
Irrigation Works	...	...	...	...
<b>Total</b>	<b>6,11,282</b>	<b>1,36,318</b>	<b>22.30</b>	<b>20.78</b>

\* Indian Convalescent Section, Deesa  
 Temporary accommodation for Indian Infantry Lines, Deesa  
 Extension of Indian Infantry Barracks, Brinpura.  
 Expansion of Indian Infantry Lines, Deoli

Total 18,517

## TOOLS AND PLANT.

13. The charges during the year on account of Tools and Plant amounted to Rs. 11,348 as detailed below, or 1·86 per cent. upon the outlay on Works and Repairs (excluding outlay on which charges for Tools and Plant were not permissible):—

Fund and Major head.	Outlay on Works and Repairs on which percentage is charged.	Charges for Tools and Plant.	Percentage for Tools and Plant upon the outlay on Works and Repairs.
<b>IMPERIAL.</b>	<b>Rs.</b>	<b>Rs.</b>	
43—Minor Works and Navigation . . .	69,789	1,427	2·04
35—Protective Irrigation Works . . .	1,234	25	2·03
47—Military Works (Ordinary) . . .	22,999	470	2·04
Barrack Department (Military) . . .	9,591	...	...
"War Controller" (His Majesty's Government) . . .	*1,18,546	593	0·50
45—Civil Works . . .	3,25,144	6,652	2·05
Civil Department (on account of Residency furniture, Ajmer and Abu Residencies) . . .	9,636	192	2·00
Miscellaneous Advances (adjustments) . . .	...	54	...
<b>LOCAL FUNDS &amp; CONTRIBUTIONS.</b>			
Excluded Local Funds.—Civil Works . . .	28,358	570	2·01
Contribution Works.—Civil . . .	25,985	+ { 487 } 878	1·87
Contribution Works.—Military . . .	...	...	...
<b>TAKAVI ADVANCES.</b>			
Irrigation Works . . .	...	...	...
<b>Total . . .</b>	<b>6,11,282</b>	<b>11,348</b>	<b>1·86</b>

\*Fide details given in paragraph 12.

†Rs. 578 represents actual expenditure on Repairs and Carriage of Tools and Plant in Ajmer Division.

## PERSONNEL.

14. Mr. G. E. Hall, Superintending Engineer, continued to hold charge of the appointment of Superintending Engineer, Rajputana, and Secretary to the Local Administration in the Public Works Department except for the period 3rd May to 18th December 1918 when Mr. Hall was on combined leave. Mr. H. J. Hope, Executive Engineer (United Provinces), officiated as Superintending Engineer during Mr. Hall's absence.

Rai Bahadur Chhuttan Lal, Executive Engineer, held charge of the Ajmer Division throughout the year with effect from the 5th April 1918.

Mr. R. Gadsby, Executive Engineer, held charge of the Mount Abu Division throughout the year with effect from the 10th April 1918.

## DIRECTOR, CIVIL SUPPLIES.

15. In May 1918 Mr. Hope, Officiating Superintending Engineer, and Secretary, Public Works Department, was appointed Director of Civil Supplies, Rajputana and Ajmer-Merwara, in addition to his ordinary duties. Local Priority Committees were appointed in Ajmer-Merwara and in most of the Native States of Rajputana for the purpose of considering applications of merchants for priority certificates for the transport of grain and merchandise, and as Director Mr. Hope rendered material help in obtaining food supplies for such parts of the Province as were most in need of replenishing their stocks.

On the return of Mr. Hall from leave in December 1918, the Civil Supplies Department was constituted a separate charge under Mr. Hope as "Director."

16. The usual appendices showing the roads maintained by the Public Works Department during the year, and furnishing details of the expenditure incurred under the various finance heads, are attached.

17. A map of the Province and a diagram showing the expenditure are also attached.

C. C. H. HOGG, LT.-COLONEL,

*Secretary to the Hon'ble the Agent to the Governor-General,  
Rajputana, and Chief Commissioner, Ajmer-Merwata,  
in the Public Works Department.*

## APPENDIX A.

*Statement showing the length of metalled and unmetalled roads maintained by the Public Works Department, Rajputana, during the year 1918-19.*

Division.	District and Native States.	IMPERIAL ROADS.		DISTRICT BOARD ROADS.		TOTAL MILEAGE MAINTAINED.	
		Metalled.	Unmetalled.	Metalled.	Unmetalled.	Metalled.	Unmetalled.
		Miles.	Miles.	Miles.	Miles.	Miles.	Miles.
Ajmer Division*	Ajmer ...						
	Kishangarh ...						
	Jaipur ...	172	96	43	17	215	113
	Mewar ...						
Mount Abu Division*	Merwara ...						
	Mount Abu ...						
	Sirohi ...	92	122	...	88	92	210
	Deesa ...						
	Marwar ...						
	Total ...	264	218	43	105	307	323

\* See detailed statement attached.



## STATEMENT II.

Statement showing the length of metalled and unmetalled roads maintained in the Mount Abu Division during the year 1918-19.

Name of road.	From	To	Length maintained				Length not maintained.		Total length.	Remarks.
			Metalled.	Unmetalled.	Fe.	Mls.	Fe.	Mls.		
1	2	3	4	5	6	7	8			
<b>IMPERIAL ROADS.</b>										
<b>Mount Abu Division.</b>										
1 Ajmer-Beawar Road (Kharwa-Senitra Section).	Kharwa, 24th mile ...	Senitra, 14th mile and 2nd furlong.	29	0	...	...	...	...	29	0
2 Beawar-Dawair Road	Beawar Municipal boundary at 1st mile, 2nd furlong, 550 feet.	Lakhagudha, 45th mile.	33	0	13	0	...	...	46	0
3 Abu Cart Road	.....	.....	17	0	...	...	...	...	17	0
4 " Station Road	.....	.....	2	0	...	...	...	...	2	0
5 Abu-Oria Road	.....	.....	0	0	...	...	...	...	0	0
6 Abu-Anadra Road	.....	.....	0	0	...	...	...	...	0	0
7 Abu High School Road	.....	.....	0	0	...	...	...	...	0	0
8 " Volunteer	.....	.....	0	0	...	...	...	...	0	0
9 Rifle Range	.....	.....	...	...	...	...	...	...	...	...
10 Abu Sanitarium Road	.....	.....	...	...	...	...	...	...	...	...
11 Deesa Cantonment Road	.....	.....	8	0	...	...	...	...	8	0
12 Erinpura Cart Road	.....	.....	6	0	...	...	...	...	6	0
13 " Cantonment Road	.....	.....	2	0	...	...	...	...	2	0
14 Deesa-Anadra Road	.....	.....	...	...	...	...	...	...	...	...
15 Anadra-Erinpura Road	.....	.....	...	...	...	...	...	...	...	...
16 Dilwara Pilgrims Road	1st mile, 3rd furlong of Abu Cart Road.	Dilwara, as far as it lies in the Abu Leased Area.	...	...	...	...	...	...	...	...
Total, Imperial Roads, Mount Abu Division...		.....	91	0	122	1	30	...	213	30
<b>DISTRICT FUND ROADS.</b>										
<b>Merwara District.</b>										
16 Saraghata Road	Beawar, 5th mile, 6th fur.	Saraghata, 16th mile	...	...	...	...	...	...	9	0
17 Beawar-Sheopura Road	Beawar, 1st mile, 4th furlong, 460 feet.	Sheopura, 4th mile, 11th mile.	...	...	9	3	200	...	9	200

Total length is 2 miles, 3 furlongs and 70 feet, out of which 4 furlongs and 10 feet are maintained by the Sirahi State.

18	Jassakhara-Todgarh Road <i>via</i> Barakhan.	Jassakhara 25th mile, 4th furlong.	Todgarh <i>via</i> Barakhan, 40th mile.	...	...	16	0	...	...	...	16	0	0		
19	Beawar-Masuda Road	Beawar, mile stone 1.	Masuda, 14th mile	...	...	13	0	...	...	...	13	0	0		
20	Dawair-Pass Road	Dawair, 67th mile	Marwar State boundary, 72nd mile.	...	...	...	...	5	0	...	5	0	0		
21	Beawar-Dilwara Road	Beawar, 3rd furlong, 20 feet.	Dilwara, 3rd mile, 2nd furlong.	...	...	...	...	2	6	640	2	6	640		
22	Beawar-Chitar Road	Beawar, 5 fur., 320 ft.	Chitar, 10th mile 5th fur.	...	...	...	...	9	7	340	9	7	340		
23	Nayanagar-Beawar Road	Nayanagar, 1st mile, 7th furlong.	Beawar, 4th mile	...	...	2	6	560	...	...	2	6	560		
24	Beawar-Rupnagar Road	Beawar, 1st mile, 2nd fur.	Rupnagar, 5th mile.	...	...	...	...	3	5	160	3	5	160		
25	Beawar-Balad Road	Beawar, 7th fur., 140 ft.	Balad, 3rd mile, 6th fur.	...	...	...	...	2	1	560	2	1	560		
26	Beawar-Kotra Road to its Junction with Nia Bar	Beawar, 1st mile, 4th furlong, 265 feet.	Kotra Road with Nai Bar Road, 12th mile, 6th fur. and 540 ft.	...	...	11	2	275	...	...	11	2	275		
27	Bhim-Titri-Lalpura Road	Bhim, 34th mile, 5th fur.	Marwar State boundary, 43rd mile, 5 fur.	...	...	...	...	9	0	0	9	0	0		
28	Bhim-Titri-Ajigarh Road	" "	Ajigarh <i>via</i> Barakhan, 45th mile, 6th furlong.	...	...	...	...	11	1	0	11	1	0		
29	Sendra-Chitar Road	Beawar-Sendra, 3th mile, 7th furlong, 120 feet.	Chitar, 12th mile, 5th furlong, 294 feet.	...	...	...	...	3	0	369	3	0	369		
30	Sendra-Kotra Road	Beawar-Sendra Road, 3th mile, 4th fur., 500 ft	Kotra, 13th mile, 4th furlong, 160 feet.	...	...	...	...	4	7	320	4	7	320		
31	Lakha Gudha-Dawair Road	Lakha Gudha, mile stone 47.	Dawair, 64th mile, 4th furlong.	...	...	19	0	0	...	...	19	0	0		
32	Bhim-Todgarh Road <i>via</i> Barar.	Lakha Gudha-Bhim, 35th mile.	Barar, 42nd mile	...	...	7	0	0	...	...	7	0	0		
Total District Fund Roads, Merwara District				...	...	88	2	375	53	1	409	141	4	124	
Grand Total, Imperial and District Funds Roads, Mount Abu Division				91	5	0	210	3	405	53	1	409	355	2	154

Total length is 14 miles but, 1st mile is maintained by the Beawar Municipality.

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## APPENDIX B.

*Statement of expenditure on Public Works in Rajputana for the year 1918-19.*

Fund and Finance Dept.	EXPENDITURE.			
	1918-19.			1917-18.
	Actual.	Revised estimate.	Budget estimate.	Actual.
<b>IMPERIAL.</b>	Rs.	Rs.	Rs.	Rs.
<b>55—FAMINE RELIEF WORKS IN CHARGE OF P.W.D.</b>				
<i>IRRIGATION WORKS.</i>				
Tanks in Ajmer Sub-Collectorate ... }	1,249	50,000	...	...
" Beawar " ... }				
" Todgarh " ... }				
<i>Total, Irrigation</i> ...	1,249	50,000	...	...
<i>CIVIL WORKS.</i>				
Original works ... }	...	...	...	...
Repairs ... }				
Establishment ... }				
Tools and plant ... }				
<i>Total, Civil Works</i> ...	...	...	...	...
<i>GRATUITOUS RELIEF.</i>				
Given in Government Institutions ...	...	...	...	...
<i>Total, Famine Relief</i> ...	1,249	50,000	...	...
<b>55—CONSTRUCTION OF PROTECTIVE IRRIGATION WORKS.</b>				
<i>WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE NOT KEPT.</i>				
Surveys and Investigations ...	4,037	8,000	8,000	5,603
<b>13—IRRIGATION, MINOR WORKS AND NAVIGATION.</b>				
<i>WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.</i>				
<i>CAPITAL OUTLAY.</i>				
Tanks in Ajmer Sub-Collectorate ...	11,328	11,600	...	...
" Beawar " ...	1,102	...	...	1,101
" Todgarh " ...				
<i>Total</i> ...	12,430	11,600	...	1,101
Carried over, Minor Works & Navigation...	12,430	11,600	...	1,101

APPENDIX B—(Contd.)

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EXPENDITURE.				Fund and Finance heads	
1918-19.		Actuals.	Revised estimate.	Budget estimate.	Actuals.
IMPERIAL.—(Contd)					
Brought forward, Minor Works & Navigation					
Rs.	12,430	Rs	11,600		1,101
REVENUE AND WORKING EXPENSES.					
Tanks in Ajmer Sub-Collectorate					
...	51,474	35,600	51,400	31,020	
...	16,055	11,600	23,600	23,264	
...	23,154	16,800	28,600	11,869	
Total	90,713	67,000	98,600	65,653	
WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE NOT KEPT.					
Survey and experimental works					
...	1,405	1,400	1,400	1,629	
Total, Minor Works and Navigation					
...	1,04,548	80,000	1,00,000	68,593	
47—MILITARY WORKS.					
Original works					
...	3,935	4,000	4,573	17,061	4,573
...	19,064	18,000	16,000	5,905	4,602
...	5,217	6,979	21	95	245
...	470	11,330	4,500	40,242	
Total	39,819	40,330	25,900	66,786	
Deduct—Expenditure in England					
...	...	...	...	...	...
Total, Military Works					
...	39,819	40,330	25,900	66,786	
45—CIVIL WORKS.					
Original works					
...	1,38,289	1,62,400	1,62,000	1,22,440	1,83,905
...	1,86,855	1,86,600	1,80,000	95,108	95,108
...	74,230	1,09,335	1,13,786	5,994	5,994
...	6,662	6,665	11,214	...	...
...	3,100	...	...	...	690
Total	4,09,216	4,65,000	4,67,000	4,08,137	
Deduct—Expenditure in England					
...	...	...	...	...	...
Total, Civil Works					
...	4,09,216	4,65,000	4,67,000	4,08,137	
Total, IMPERIAL (India)					
...	6,59,779	6,43,330	6,00,900	5,48,909	

## APPENDIX B.—(Concl'd.)

Fund and Finance heads.	EXPENDITURE.			
	1916-17.			1917-18.
	Actuals.	Revised estimate.	Budget estimate.	Actuals.
<b>LOCAL FUNDS</b>				
<b>CIVIL WORKS.</b>				
Original works ... ..	Rs. 69	Rs. 1,655	Rs. 1,830	Rs. 652
Repairs ... ..	28,289	28,827	27,122	22,253
Establishment ... ..	6,386	6,853	6,511	4,920
Tools and plant ... ..	370	457	131	343
<b>Total, LOCAL FUNDS</b> ...	<b>35,114</b>	<b>37,792</b>	<b>35,600</b>	<b>28,148</b>
<b>CONTRIBUTIONS.</b>				
<b>MILITARY WORKS.</b>				
Original works ... ..	5,128	3,111	3,148	5,795
Repairs ... ..	...	...	...	...
Establishment ... ..	...	...	...	...
Tools and plant ... ..	...	...	...	...
<b>Total, Military Works</b> ...	<b>5,128</b>	<b>3,111</b>	<b>3,148</b>	<b>5,795</b>
<b>CIVIL WORKS.</b>				
Original works ... ..	10,870	...	...	9,816
Repairs ... ..	20,158	...	...	11,165
Establishment ... ..	5,914	...	...	2,826
Tools and plant ... ..	1,665	...	...	459
<b>Total, Civil Works</b> ...	<b>38,716</b>	<b>...</b>	<b>...</b>	<b>27,577</b>
<b>Total, CONTRIBUTIONS</b> ...	<b>41,844</b>	<b>3,441</b>	<b>3,148</b>	<b>33,372</b>
<b>TAKAVI ADVANCES.</b>				
<b>(IRRIGATION WORKS.)</b>				
Works and repairs ... ..	...	...	...	...
Establishment ... ..	...	...	...	...
Tools and plant ... ..	...	...	...	...
<b>Total, TAKAVI ADVANCES</b> ...	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>

